



**brief report on scientific life at
Faculty of Computer Science – FII**

2004/2005

attention, please...

thank you!

agenda

- Scientific Research Activity at FII
- Near Past
- Present
- Near Future
- Perspectives



research: general outlook

- **Scientific interest groups**
 - Meetings
 - Research projects & collaborations
 - Publications (TRs, articles, books,...)
 - Scientific events
- **M.Sc. Studies**
 - Implication of interested/gifted students
- **Doctoral School**
 - Same as above (at a higher level)

research: general outlook

- Research life is reflected also by:
 - Our publications
 - Our implication at national level
(Minister, Academy, professional & scientific associations, other faculties,...)
 - Our implication at international level
(EU, universities, PC membership, professional/scientific associations,...)
 - Our cooperation with third party organizations (e.g., industry)
 - Our visibility (on Web, especially)

research: general outlook

- We need:
 - Research infrastructure
 - Documentation, hardware, software, people
 - More presence (national/international)
 - Events, articles, grants,...
 - Implication of young personnel into activity of research groups
 - Supervisors, regular meetings, strong Ph.D. activity,...
 - Visibility (via Web or other ways)

research: near past

- Combinatorial optimization
- Database theory
- Distributed & parallel computing
- Formal methods in software engineering
- Game Theory
- Human language technologies
- Information security
- Computing inspired by nature
- Non-classical logics
- Web technologies

research: near past

- Results (2004–2005):
 - International journals: >10
 - International proceedings: >20
 - National journals: 3
 - National proceedings: >10
 - International books: 1
 - International book chapters: 3
 - National books: 6
 - International grants: 4
 - National grants: 4
 - Proposed international grants: 6
 - Proposed national grants: 7

research: near past

- Results (2004–2005):
 - Edited international proceedings: 1
 - Edited national proceedings: 2
 - PC membership: >10
 - Invited talks: 4
 - Organized international events:
Eurolan 2005, VISSAS 2005,
PNWM (SYNASC 2005)
 - Organized national events:
ROSYCS 2004, RoCHI 2005
 - Obtained Ph.D. titles: 1 (Cum Laude) + 2
 - International scholarships: 5

research: near past

- Results (2004–2005):
 - Re-evaluation of Annals (CS section) – class B national publication
 - Presence in “Carta Alba a Cercetarii Universitare Romanesti”
 - Presence in National Experts Registry
 - New Master on Software Engineering
 - New 2 Ph.D. supervisors
 - New collaborations at international/national level
 - More TR published
 - “Regular” short invited talks (Aquarium)
 - Donations of books/articles (FII Library)

research: present

- Strong presence of research/interest groups on:
 - Combinatorial optimization
 - Computing inspired by nature (genetic algorithms & bioinformatics)
 - Distributed & parallel computing
 - Formal methods in software engineering
 - Human language technologies
 - Information security
 - Web technologies

research: present

- Projects:
 - AMASS (FP6), Brancusi, ECO-NET (Paris 12, e-Austria Institute), I*Teach (Leonardo da Vinci), ROTEL (CEEX)
 - CNCSIS 2005
- Project proposals (pending)
 - INTAS RoLTech, Lille 3, Meaning+ (FP6)
 - CNCSIS 2006
- Cooperation with industry:
 - Microsoft, Siemens PSE, Siemens VDO Automotive, TechNord
 - Polirom Publishing House

research: present

- Doctoral School
 - Director: Prof. Toader Jucan
 - 3 year Ph.D. studies
 - 4 local supervisors
 - D. Cristea
 - H. Luchian
 - T. Jucan
 - F. Tiplea

research: present

- Research activity reflects our finances
 - From UAIC (Minister)
 - From national and international grants
 - From sponsors
- Annual prize for best Ph.D. thesis

research: near future

- New admissions at Doctoral School
- Scientific Session of FII – UAIC Days (October 2005)
- Ph.D. thesis presentations
- Grant competitions
 - CEEEX Programme – www.mct-excelenta.ro
 - Deadline: **30 October 2005**
 - FP7 Programmes – www.cordis.lu/fp7
 - Soon!
 - Others
- Further events (workshops, summer schools,...) and collaborations

research: perspectives

- A true research infrastructure
 - Scientific intranet (including collaborative tools)
 - Hardware & software
 - Scientific literature
 - More implication of young personnel and students
- From personal success(es) to group success(es)
- Regular presentation of research activity (local seminars, invited talks, TRs, projects,...)
- More powerful Annals (CS section)
- Reactivation of our Research Center

research: perspectives

- Learning how to write successful applications to (inter)national programmes
- New M.Sc. and Ph.D. directions
- Post-doctoral studies
- Presence in official structures (ministerial commissions, organizations,...)
- Affiliation to (inter)national consortia, partnerships
- More participation to (inter)national scientific events and grant competitions

good luck in your activity!

Faculty of Computer Science – FII

Any questions?